

ABSTRACT OF THE DISCLOSURE

Threshold judging circuit 151 performs a threshold judgment on a correlation value output from each of search correlators 104-1 to 104-n. Rank determining circuit 152 ranks phases output from threshold judging circuit 151 in descending order of correlation value. Candidate path determining circuit 153 determines a phase with a high correlation value in the short integration as a candidate path to assign to one of search correlators 104-1 to 104-n sequentially, and outputs a control signal for generating an operation clock based on an assignment result to clock generator 106. Demodulation phase determining circuit 154 determines a candidate path with a highest correlation value in the long integration to be optimal for use in demodulation, and outputs a control signal for generating an operation clock based on a determined result to clock generator 106. It is thereby possible to perform a cell search fast without increasing a hardware scale.